REMOVAL PROGRAM
PRELIMINARY ASSESSMENT/
SITE INVESTIGATION REPORT
FOR THE
LEDA LISBON SITE
LISBON, MAINE
20 MAY 2004

Prepared For:

U.S. Environmental Protection Agency
Region I
Emergency Planning and Response Branch
1 Congress Street, Suite 1100
Boston, MA 02114-2023

CONTRACT NO. 68-W-00-097

TDD NO. 04-05-0018

TASK NO. 8017

DC NO. R-2627

Submitted By:

Weston Solutions, Inc.
Region I
Superfund Technical Assessment and Response Team 2000 (START)
37 Upton Drive
Wilmington, MA 01887

September 2004

TABLE OF CONTENTS

I. Preliminary Assessment/Site Investigation Forms

EPA REGION I
REMOVAL PRELIMINARY ASSESSMENT

Site Name and Location

Name: Leda Lisbon **Location:** 1 Upland Road
Town: Lisbon **County:** Androscoggin **State:** Maine

Site Status: ( )NPL (√)NON-NPL ( )RCRA ( )TSCA
(√)ACTIVE ( )ABANDONED ( )OTHER

(√)Attached USGS Map of Location **(X)Site I.D. No.:** 01BZ

Latitude: 44° 01′ 53″ North **Longitude:** 76° 06′ 10″ West

Referral

( )Citizen **( )City/Town** **(√)State** **( )Preremedial**
( )RCRA **( )Other:**
Name of referring party: Andy Slusarski, Maine Department of Environmental Protection (ME DEP)
Address: 312 Canco Road, Portland, Maine 04103 **Telephone:**(207) 822-6347

Contacts Identified

1) Andy Slusarski **Telephone:**(207) 822-6347
2) **Telephone:**( )
3) **Telephone:**( )

Source of Information

( ) Verbal:
( ) Report:
(√) Other: This site was referred to EPA in a letter from Andy Slusarski, ME DEP Bureau of Remediation and Waste Management to Steve Novick EPRB Section Chief, dated 24 July 2003, along with the remainder of the properties owned by Miller Industries, Inc.

Potential Responsible Parties

Current Owner/Operator: Marcel Delorme **Telephone:**(207) 353-8600
Address: 1 Upland Road, Lisbon, Maine

Former Owner/Operator: Miller Industries, Inc., Herbert Miller, President
Address: 1 Canal Street, Lisbon Falls, Maine **Telephone:**( )

REMOVAL PRELIMINARY ASSESSMENT

Site Access

Authorizing Person: Marcel Delorme
Date: 26 August 2003 **(√)Obtained** **( )Verbal**
Telephone: (207) 353-8600 **( )Not Obtained** **(√)Written**

Physical Site Characterization

Background Information: The Leda Lisbon site (the site) is located at 1 Upland Road in Lisbon, Androscoggin County, Maine. Geographic coordinates of the site are latitude 44° 01′ 53″ north, and longitude 76° 06′ 10″ west, as measured from the approximate center of the site. The property is identified as Lot No. 24 on Lisbon Town Map U-17. The site is bordered to the north and east by Upland Road, and residential and commercial properties; and to the south and west by the Sabattus River and the Farwell Mill.

The site was purchased by Miller Industries, Inc. (Miller) on an unknown date within the past 30 years. The site was formerly owned by the Farwell Mill, which was located on the west bank of the Sabattus River along Webster Road. Historical activities conducted at the Farwell Mill included textile manufacturing, asbestos-containing linoleum manufacturing, and rubber pellet manufacturing for use in shoe production. During the process of certifying hazardous waste generator closure at other sites owned by Miller, ME DEP identified issues that needed to be addressed, and Miller retained the services of environmental consultant Sevee & Maher Engineering, Inc. (SMEI). Miller did not conduct manufacturing activities at the site. The 1 Upland Road property was recently purchased from Miller, and is currently being used as a print shop. A concrete pad is located along the southern side of the on-site building, and may have been used to stage an aboveground storage tank (AST).

Description of Substances Possibly Present, Known or Alleged: On 17 September 2003, U.S. Environmental Protection Agency (EPA) and Weston Solutions, Inc., Superfund Technical Assessment and Response Team (START) collected 10 soil samples (SS-01 through SS-10) as part of a preliminary assessment/site investigation (PA/SI) at the site. The samples were analyzed for volatile organic compound (VOC), semivolatile organic compound (SVOC), pesticide/polychlorinated biphenyl (pest/PCB), and Target Analyte List (TAL) metals analyses. Elevated levels of PCBs were discovered during the PA/SI.

Existing Analytical Data

( ) Real-Time Monitoring Data:

(√) Sampling Data: PCBs at 73 milligrams per kilogram (mg/kg) were detected in surface soil at the site by Weston Solutions, Inc. during a PA/SI at the site conducted on 17 September 2003.

REMOVAL PRELIMINARY ASSESSMENT

Potential Threat

Description of potential hazards to environment and/or population-identify any of the criteria for a Removal Action (from NCP) that may be met by the site under 40 CFR 300.415 [b] [2].

i. Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, pollutants or contaminants.

ii. Actual or potential contamination of drinking water supplies or sensitive ecosystems.

iii. Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release.

iv. High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface, that may migrate.

v. Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released.

vi. Threat of fire or explosion.

vii. The availability of other appropriate federal or state response mechanisms to respond to the release.

viii. Other situations or factors that may pose threats to public health or welfare or the environment.

Prior Response Activities

( ) PRP **( ) STATE** **( ) FEDERAL** **( ) OTHER**
Brief Description: None.

Priority for Site Investigation

( ) High **(√) Medium** **( ) Low** **( ) None**
Comments: There is a confirmed presence of surficial soil contamination at the site.

REMOVAL PRELIMINARY ASSESSMENT

Report Generation

Originator: Mandy Smith
Affiliation: Weston Solutions (START)
TDD No.: 04-05-0018
Date: 17 September 2004
Telephone: (978) 657-5400 x251
Task No.: 8017

EPA REGION I
REMOVAL SITE INVESTIGATION

Inspection Information

Site Name: Leda Lisbon **Address:** 1 Upland Road
Town: Lisbon **County:** Androscoggin **State:** Maine
Date of Inspection: 20 May 2004 **Time of Inspection:** 1000 hours
Weather Conditions: Sunny, 80° F.
Site Status at Time of Inspection: **(√) ACTIVE** **( ) INACTIVE**
Comments:

Agencies/Personnel Performing Inspection

	Names	Program
(√) EPA:	Wing Chau	U.S. Environmental Protection Agency (EPA) Region I Emergency Response and Planning Branch (ERPB), On-Scene Coordinator (OSC).
(√) EPA Contractor:	Mike Argue	Weston Solutions, Inc., (WESTON) Superfund Technical Assessment and Response Team (START).
	John Burton	WESTON START
	Caitlin Selfridge	WESTON START
( ) State:		
(√) Other:	Guy Cote	Sevee & Maher Engineering, Inc. [Potential Responsible Party (PRP) consultant]

Current Owner Based on Field Interview: Marcel Delorme

Physical Site Characteristics

Parameter	Quantities/Extent
( ) Cylinders:	

Physical Site Characteristics (Concluded)

Parameter		Quantities/Extent
( ) Drums:		
( ) Lagoons:		
(√) Tanks:	(√) Above:	A concrete pad on the southern side of the on-site building appears to have been used to stage an aboveground storage tank (AST) at one time.
	( ) Below:	
( ) Asbestos:		
( ) Piles:		
( ) Stained Soil:		
( ) Sheens:		
( ) Stressed Vegetation:		
(√) Landfill:		The adjacent property at 11 Upland Road was used as an unlicensed landfill by the former Farwell Mill.
(√) Population in Vicinity:		The site is located in a moderately populated residential/commercial area.
( ) Wells:	( ) Drinking:	
	( ) Monitoring:	
( ) Other:		

Physical Site Observations

The Leda Lisbon site (the site) is located at 1 Upland Road in Lisbon, Androscoggin County, Maine. The site is bordered to the north and east by Upland Road, and residential and commercial properties; and to the south and west by the Sabattus River and the former Farwell Mill. The site contains a two-story cinder-block construction building that is currently being used as a print shop and small shed. The northern portion of the property is generally flat and used for parking. The west, south, and east portions of the property are vegetated and slope steeply to the Sabattus River. There is a concrete pad located adjacent to the southern wall of the on-site building which appears to have been used to stage an AST.

Field Sampling and Analysis

Matrix/Analytical Parameter	Field Instrumentation CGI/O_2	RAD	PID	FID	Other
Background Readings:			0.0	1.0	
Air:			0.0	0.0	
Soil (sampling locations):			0.0	0.0	
Surface:					
Water:					

Field Sampling and Analysis

Matrix/Analytical Parameter	Field Instrumentation CGI/O_2	RAD	PID	FID	Other
Tanks:					
Drums:					
Vats:					
Lagoons:					
Spillage:					
Run Off:					
Piles:					
Sediments:					
Groundwater:					
Other:					

Field Quality Control Procedures

(√) SOP Followed **( ) Deviation From SOP**

Comments: START personnel utilized the plan entitled *Removal Program Quality Assurance/Quality Control Plan for the Leda Lisbon Preliminary Assessment/Site Investigation, Lisbon, Maine.*

Description of Sampling Conducted

START personnel established a 10-foot grid system consisting of eight east/west transects, and 12 north/south transects. The east/west transects were labeled alphabetically, in ascending order from south to north, as lines "A" through "H". The north/south transects were labeled numerically, in 10-foot increments from east to west, as lines "0" through "110". Grid node points were labeled with the designations of the intersecting transects (*e.g.*: A0, A10, A20, etc.).

START personnel collected 28 grab surface soil samples from the grid node points using dedicated equipment. On 21 May 2004, START member Argue delivered the samples under chain-of-custody to the EPA New England Regional Laboratory (NERL), located in North Chelmsford, Massachusetts, for polychlorinated biphenyl (PCB) analysis.

REMOVAL SITE INVESTIGATION

Analyses

Analytical Parameter	Media	Laboratory
( ) VOC	( ) AIR	(√) NERL
(√) PCB	( ) WATER	( ) CLP
( ) PESTICIDE	(√) SOIL	( ) PRIVATE
( ) METALS	( ) SOURCE	( ) SAS
( ) CYANIDE	( ) SEDIMENT	( ) SOW
( ) SVOC		( ) Field
( ) TOXICITY		
( ) DIOXIN		
( ) ASBESTOS		
( ) OTHER		

Analytical results: Analytical results are included in Appendix F.

Receptors

	Comments
( ) Drinking Water ( ) Private: ( ) Municipal:	
( ) Groundwater:	
(√) Unrestricted Access:	The site is the location of an active business and is open to the public.
(√) Population in Proximity:	The site is located in a moderately populated residential/ commercial area.
(√) Sensitive Ecosystem:	The site is located adjacent to the Sabattus River.
( ) Other:	

Additional Procedures for Site Determination

( ) Biological Evaluation ( ) ATSDR

Any further evaluations will be determined by the Task Monitor.

REMOVAL SITE INVESTIGATION

Site Determination

Depending on further information, criteria that may be met by the site include 40 CFR 300.415 [b] [2], parts:

i. Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, pollutants or contaminants.

ii. Actual or potential contamination of drinking water supplies or sensitive ecosystems.

iv. High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface, that may migrate.

v. Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released.

vii. The availability of other appropriate federal or state response mechanisms to respond to the release.

viii. Other situations or factors that may pose threats to public health or welfare or the environment.

Report Generation

Originator: Mandy Smith
Affiliation: Weston Solutions (START)
TDD No.: 04-05-0018
Date: 17 September 2004
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II. Narrative Chronology

Narrative Chronology

Introduction

The Leda Lisbon site (the site) is located at 1 Upland Road in Lisbon, Androscoggin County, Maine. Geographic coordinates of the site are latitude 44° 01′ 53″ north, and longitude 76° 06′ 10″ west, as measured from the approximate center of the site [see Appendix A - Site Location Map (Figure 1)]. The property is identified as Lot No. 24 on Lisbon Town Map U-17. The site is bordered to the north and east by Upland Road, and residential and commercial properties; and to the south and west by the Sabattus River and the Farwell Mill [see Appendix B - Sample Location Diagram (Figure 2) and Appendix C - Sample Location Labels (Figure 2A)].

Site History

The site was purchased by Miller Industries, Inc. (Miller) on an unknown date within the past 30 years. The site was formerly owned by the Farwell Mill, which was located on the west bank of the Sabattus River along Webster Road. Historical activities conducted at the Farwell Mill included textile manufacturing, asbestos-containing linoleum manufacturing, and rubber pellet manufacturing for use in shoe production. During the process of certifying hazardous waste generator closure at other sites owned by Miller, the Maine Department of Environmental Protection (ME DEP) identified issues that needed to be addressed, and Miller retained the services of environmental consultant Sevee & Maher Engineering, Inc. (SMEI). Miller did not conduct manufacturing activities at the site. The 1 Upland Road property was recently purchased from Miller, and is currently being used as a print shop. A concrete pad is located along the southern side of the on-site building, and may have been used to stage an aboveground storage tank (AST).

On 17 September 2003, U.S. Environmental Protection Agency (EPA) and Weston Solutions, Inc., Superfund Technical Assessment and Response Team (START) collected 10 soil samples (SS-01 through SS-10) as part of a preliminary assessment/site investigation (PA/SI) at the site. The samples were analyzed for volatile organic compound (VOC), semivolatile organic compound (SVOC), pesticide/polychlorinated biphenyl (pest/PCB), and Target Analyte List (TAL) metals analyses.

Site Activities

On 20 May 2004, START members Mike Argue, John Burton, and Caitlin Selfridge mobilized to the site and met On-Scene Coordinators (OSCs) Wing Chau and Melanie Pincus, and SMEI representative Guy Cote. START personnel established a support zone and calibrated the air monitoring instruments, including a photoionization detector (PID) and a flame ionization detector (FID). Ambient readings were recorded in the health and safety plan (HASP) as follows: PID = 0.0 units; FID = 1.0 units. The HASP was prepared as a separate document, entitled *Health and Safety Plan for the Leda Lisbon Site*. The purpose of this sampling survey was to further investigate an elevated level of polychlorinated biphenyls (PCBs) found on site during the 18 September 2003 PA/SI. The previous PA/SI was conducted under Technical Direction Document (TDD) No. 03-08-0019, and is documented in the report entitled *Chronological Summary Report for the Leda Lisbon Site, Lisbon, Maine*, dated December 2003.

Sampling Activities

Site Leader (SL) Argue used the Global Positioning System (GPS) unit to navigate to the location of soil sample SS-05, collected during the 17 September 2003 PA/SI, which indicated an elevated concentration of polychlorinated biphenyls (PCBs). START personnel established a 10-foot grid system consisting of eight east/west transects, and 12 north/south transects. The east/west transects were labeled alphabetically, in ascending order from south to north, as lines "A" through "H". The north/south transects were labeled numerically, in 10-foot increments from east to west, as lines "0" through "110". Grid node points were labeled with the designations of the intersecting transects (*e.g.*: A0, A10, A20, etc.).

START personnel collected 28 grab surface soil samples using dedicated equipment from the grid node points [see Appendix C - Sample Location Diagram (Figure 2A)]. Samples were labeled with the grid node point designations. Sample descriptions are presented in Table 1. Sampling activities were conducted in accordance with the document entitled *Sampling Quality Assurance/Quality Control Plan for the Leda Lisbon Preliminary Assessment/Site Investigation, Lisbon, Maine.*

TABLE 1
Sample Descriptions

Station No. and EPA Sample No.	Sample Type and Matrix	Grab or Composite	Sample Depth * (Inches)	Comments
D14019 A0	Soil	Grab	0 - 3	
D14020 A10	Soil	Grab	0 - 3	
D14021 A20	Soil	Grab	0 - 3	
D14022 A50	Soil	Grab	0 - 3	
D14023 A60	Soil	Grab	0 - 3	
D14024 A70	Soil	Grab	0 - 3	
D14025 B0	Soil	Grab	0 - 3	
D14026 B10	Soil	Grab	0 - 3	
D14027 B20	Soil	Grab	0 - 3	
D14028 B30	Soil	Grab	0 - 3	

TABLE 1 (Concluded)
Sample Descriptions

Station No. and EPA Sample No.	Sample Type and Matrix	Grab or Composite	Sample Depth * (Inches)	Comments
D14029 B40	Soil	Grab	0 - 3	
D14030 B50	Soil	Grab	0 - 3	
D14031 B60	Soil	Grab	0 - 3	MS/MSD/Dup
D14032 B70	Soil	Grab	0 - 3	
D14033 C10	Soil	Grab	0 - 3	
D14034 C20	Soil	Grab	0 - 3	
D14035 C30	Soil	Grab	0 - 3	MS/MSD/Dup
D14036 C40	Soil	Grab	0 - 3	
D14037 C80	Soil	Grab	0 - 3	
D14038 C90	Soil	Grab	0 - 3	
D14039 D90	Soil	Grab	0 - 3	
D14040 D100	Soil	Grab	0 - 3	
D14041 D110	Soil	Grab	0 - 3	
D14042 E100	Soil	Grab	0 - 3	
D14043 E110	Soil	Grab	0 - 3	
D14044 F110	Soil	Grab	0 - 3	
D14045 G110	Soil	Grab	0 - 3	
D14046 H110	Soil	Grab	0 - 3	

No. = Number.
MS/MSD/Dup = matrix spike/matrix spike duplicate/duplicate.

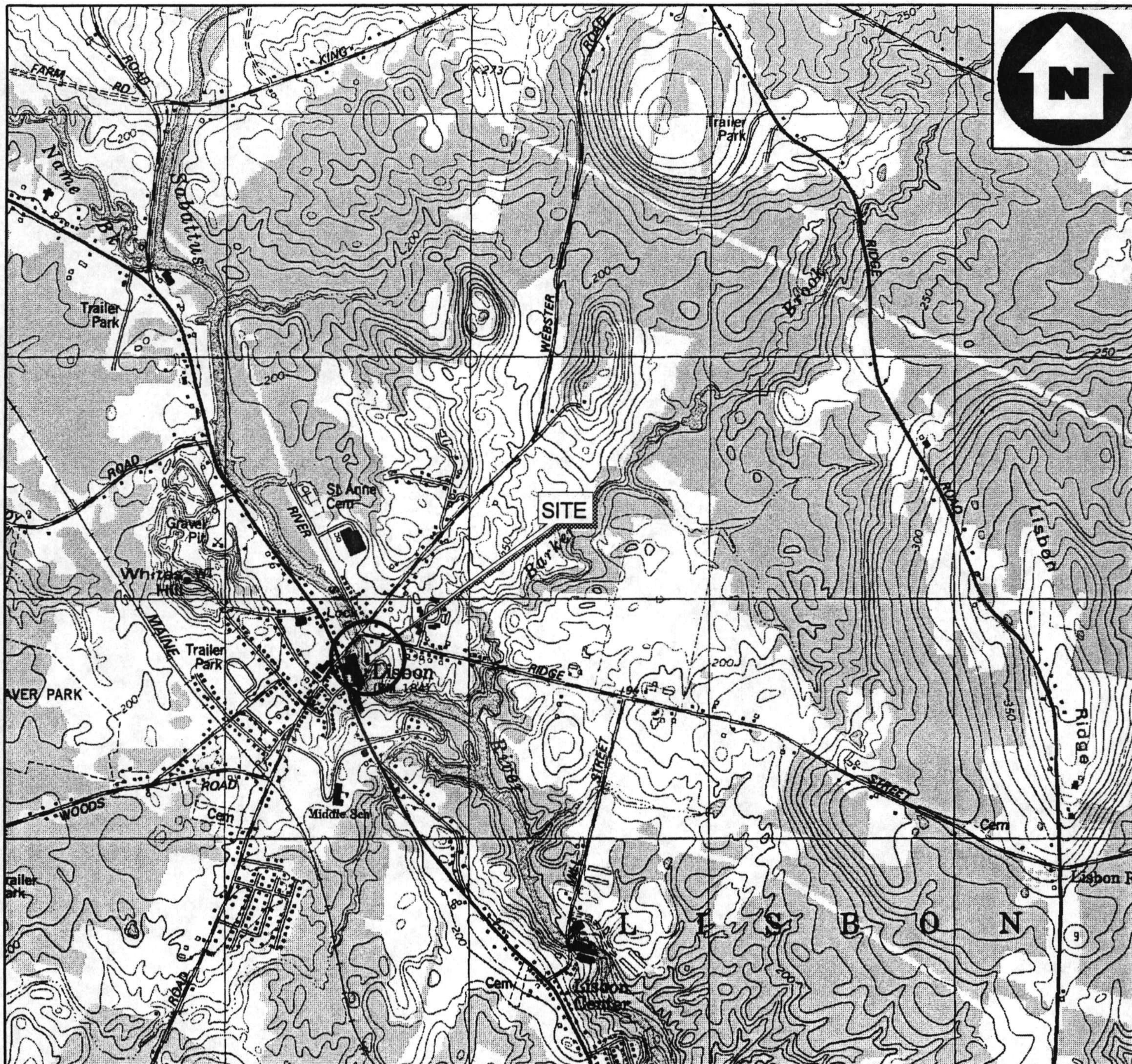
Upon completion of sampling activities, START members Burton and Selfridge individually bagged the samples and placed them into a cooler with ice. SL Argue completed chain-of-custody documentation for the samples, recorded the locations of the grid node points using the GPS unit, and photodocumented the sampling grid (see Appendix D - Photodocumentation Log, and Appendix E - Chain-of-Custody Records). Upon completion of site activities, START, EPA, and SMEI personnel departed the site.

On 21 May 2004, START member Argue delivered the samples under chain-of-custody to the EPA New England Regional Laboratory (NERL), located in North Chelmsford, Massachusetts, for PCB analysis (see Appendix F - Analytical Data).

III. Appendices

Appendix A

Site Location Map (Figure 1)



BASE MAP IS A PORTION OF THE FOLLOWING 7.5 X 15' U.S.G.S. QUADRANGLE(S):

LISBON FALLS NORTH, MAINE. 1979.

1 0 1 Miles

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 Feet

1 0 1 Kilometers

QUADRANGLE LOCATION

SITE LOCATION MAP

LEDA LISBON
1 UPLAND ROAD
LISBON, MAINE

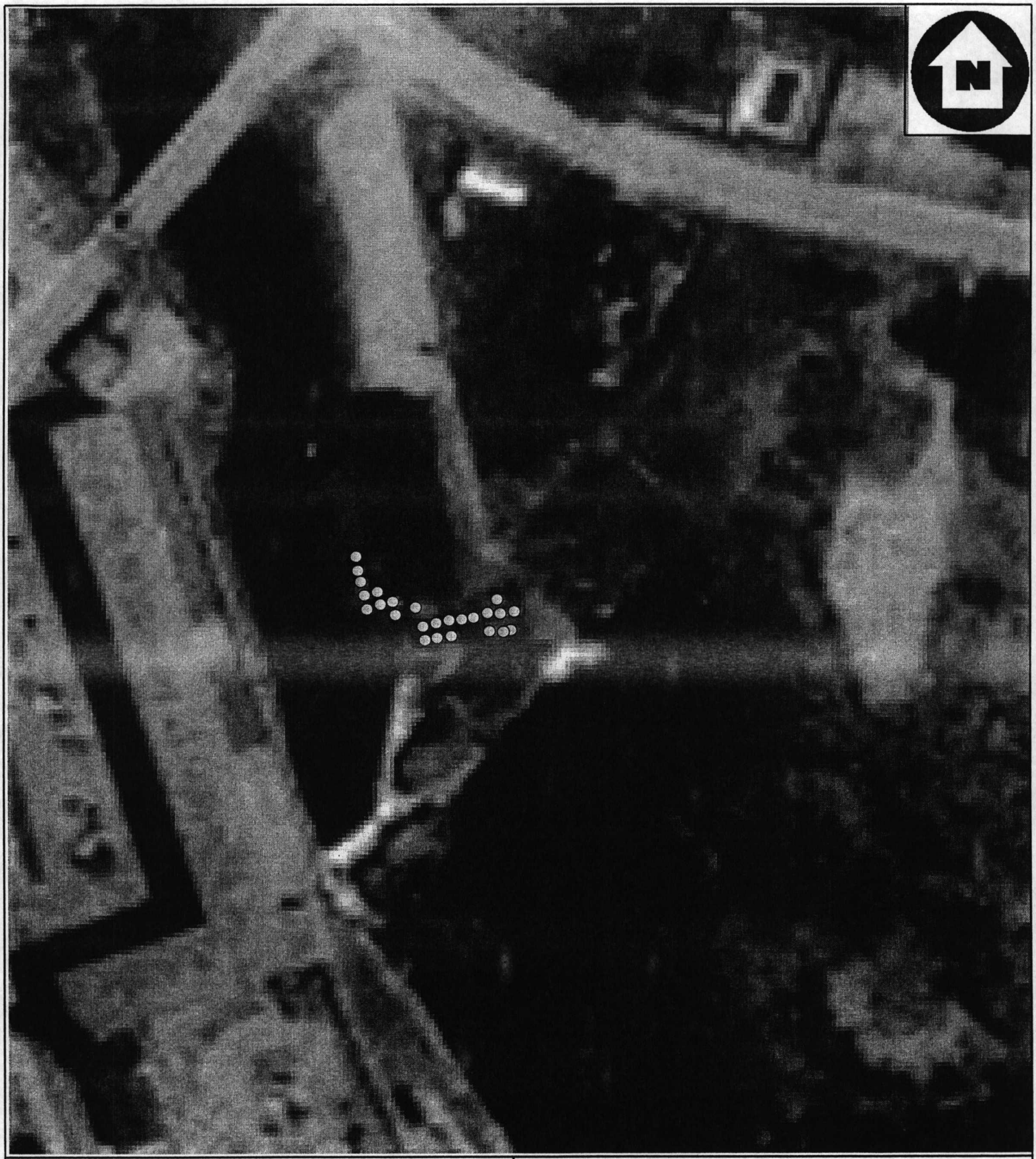
WESTON SOLUTIONS
Restoring Resource Efficiency

REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD #	DRAWN BY:	DATE:
04-05-0018	BUTTERWORTH	6/30/04
FILE NAME: E:\ARC_APRS\START2\MILLERMAINESITES.APR		FIGURE 1

Appendix B

Sample Location Diagram (Figure 2)



SAMPLE LOCATION DIAGRAM

LEDA LISBON
1 UPLAND ROAD
LISBON, MAINE

WESTON SOLUTIONS
Restoring Resource Efficiency

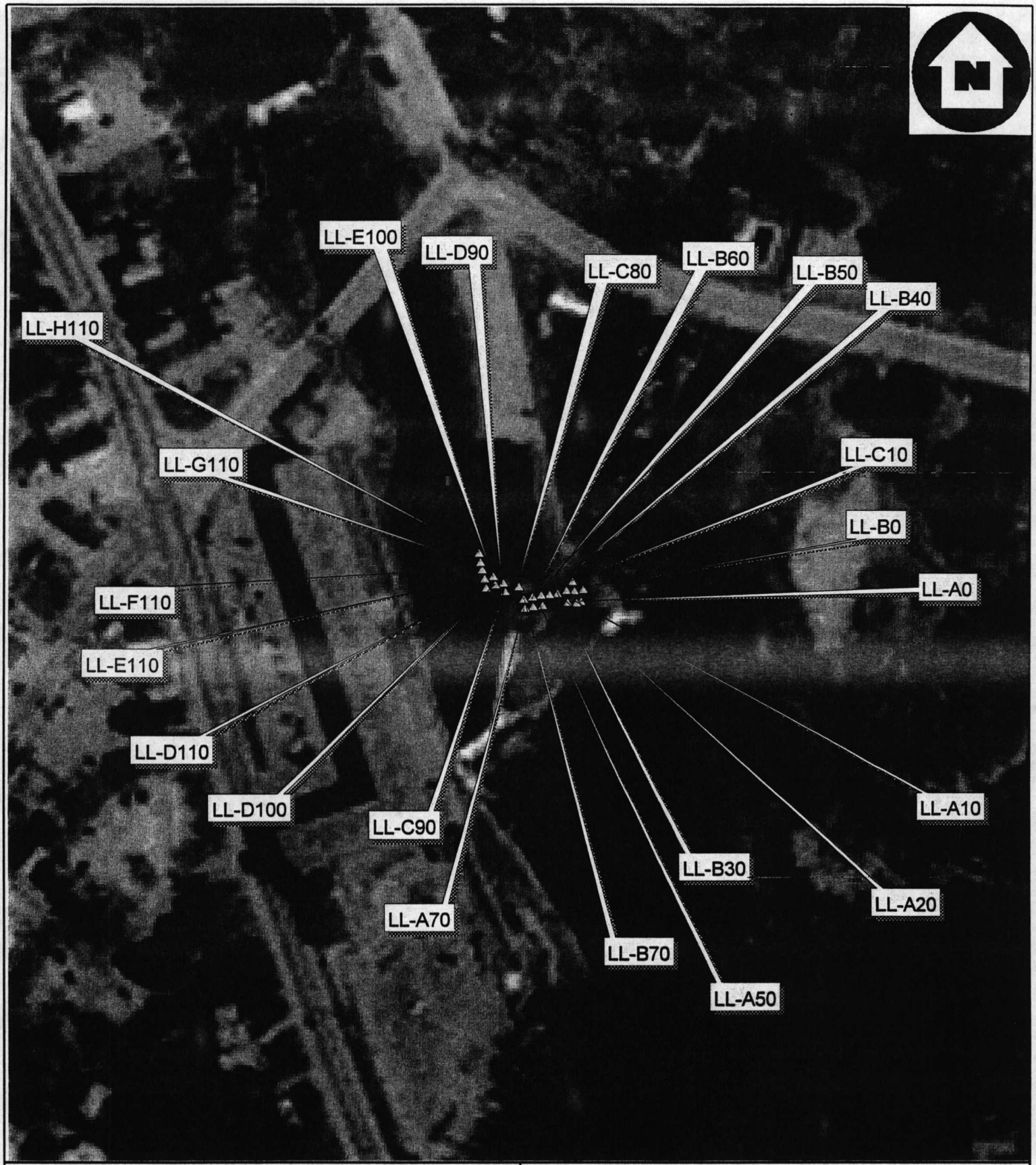
REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD NUMBER:	CREATED BY:	CREATED ON:
04-05-0018	B. MACE	6/30/2004

FILE LOCATION:	
E:\ARC_APRS\START2\MILLERMAINESITES.APR	FIGURE 2

Appendix C

Sample Location Labels (Figure 2A)



SAMPLE LOCATION LABELS

LEDA LISBON
1 UPLAND ROAD
LISBON, MAINE

WESTON SOLUTIONS
Restoring Resource Efficiency

REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD NUMBER:	CREATED BY:	CREATED ON:
04-05-0018	B. MACE	6/30/2004

FILE LOCATION: E:\ARC_APRS\START2\MILLERMAINESITES.APR

FIGURE 2

Appendix D

Photodocumentation Log

PHOTOGRAPHY LOG SHEET
Leda Lisbon Site • Lisbon, Maine

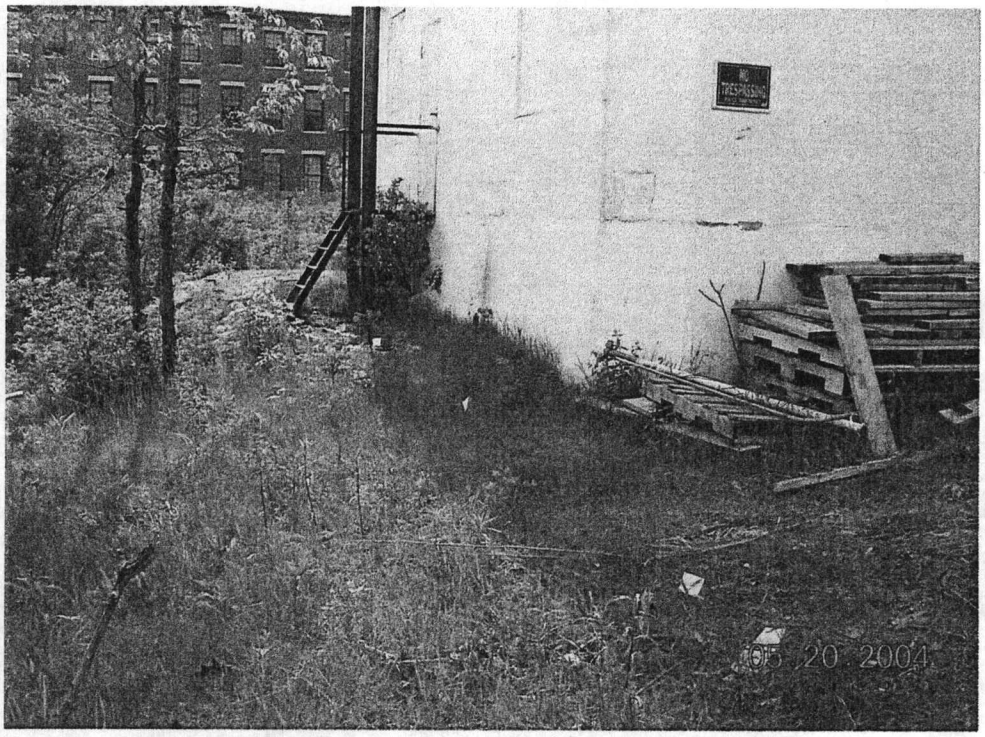
SCENE: View of the B-line transect of the grid. Photograph taken facing south.

DATE: 20 May 2004 **TIME:** 16:30 hours
PHOTOGRAPHY BY: Mike Argue **CAMERA:** Nikon CoolPix 3100

SCENE: View of grid line A0 to A10. Photograph taken facing southeast.

DATE: 20 May 2004 **TIME:** 16:32 hours
PHOTOGRAPHY BY: Mike Argue **CAMERA:** Nikon CoolPix 3100

PHOTOGRAPHY LOG SHEET
Leda Lisbon Site • Lisbon, Maine



SCENE: View of grid line C20 to C40. Photograph taken facing southwest.

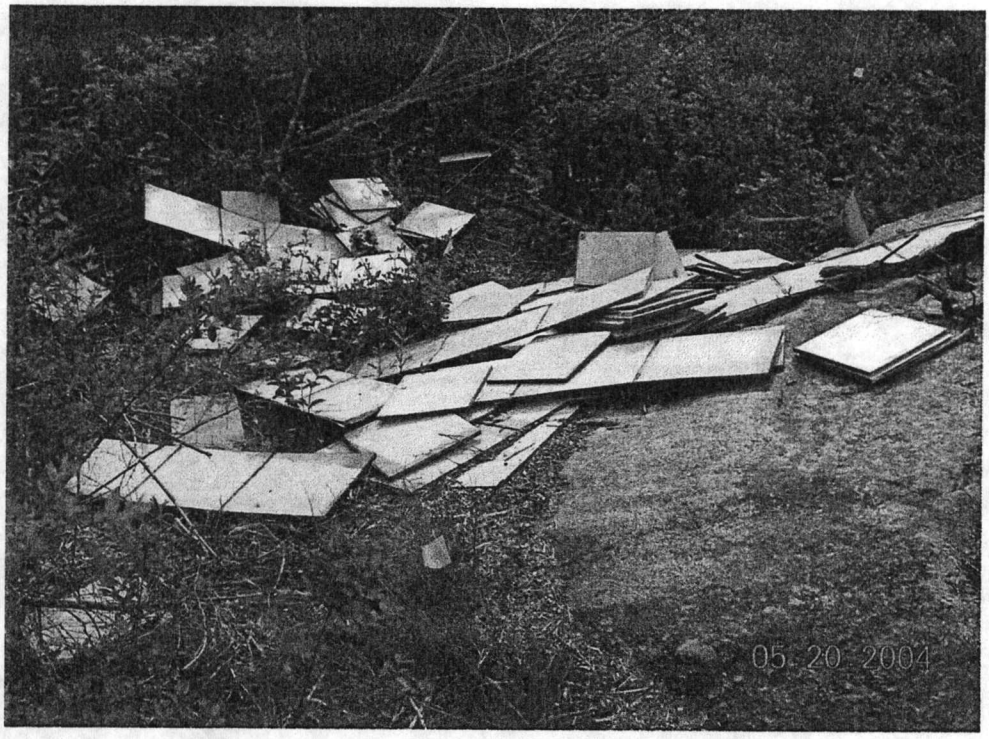
DATE: 20 May 2004 **TIME:** 16:33 hours
PHOTOGRAPHY BY: Mike Argue **CAMERA:** Nikon CoolPix 3100

TOP

SCENE: View of grid line B transect (B70 at bottom) and grid point A50. Photograph taken facing northeast.

DATE: 20 May 2004 **TIME:** 16:34 hours
PHOTOGRAPHY BY: Mike Argue **CAMERA:** Nikon CoolPix 3100

PHOTOGRAPHY LOG SHEET
Leda Lisbon Site • Lisbon, Maine



SCENE: View of grid nodes C80 and C90. Photograph taken facing southeast.

DATE: 20 May 2004
TIME: 16:36 hours
PHOTOGRAPHY BY: Mike Argue
CAMERA: Nikon CoolPix 3100

SCENE: View of grid nodes D90, D100, and E100. Photograph taken facing north.

DATE: 20 May 2004
TIME: 16:37 hours
PHOTOGRAPHY BY: Mike Argue
CAMERA: Nikon CoolPix 3100

PHOTOGRAPHY LOG SHEET
Leda Lisbon Site • Lisbon, Maine

TOP

SCENE: View of the 110 transect line. Photograph taken facing northwest.

DATE: 20 May 2004
TIME: 16:38 hours
PHOTOGRAPHY BY: Mike Argue
CAMERA: Nikon CoolPix 3100

Appendix E

Chain-of-Custody Record

EPA Leda Lisbon Site
Generic Chain of Custody

PN 04050031

Reference Case
Client No:
SDG No: L

Date Shipped:	5/20/2004
Carrier Name:	hand delivery
Airbill:	
Shipped to:	EPA New England Regional Laboratory 11 Technology Drive North Chelmsford MA 01863 (617) 918-8333

Chain of Custody Record

	Relinquished By (Date / Time)	Received By (Date / Time)
1	Michael Argue - 5/21/04 @ 1450	5/21/04 - 1450
2		
3		
4		

Sampler Signature: Michael Argue

For Lab Use Only
Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
D14019	surface soil (0-3)/ Michael Argue	M/G	pest/PCB (21)	(Ice Only) (1)	A0	S: 5/20/2004	15:05	
D14020	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	A10	S: 5/20/2004	15:08	
D14021	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	A20	S: 5/20/2004	15:10	
D14022	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	A50	S: 5/20/2004	15:15	
D14023	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	A60	S: 5/20/2004	15:07	
D14024	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	A70	S: 5/20/2004	15:08	
D14025	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	B0	S: 5/20/2004	15:10	
D14026	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	B10	S: 5/20/2004	15:15	
D14027	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	B20	S: 5/20/2004	15:25	
D14028	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	B30	S: 5/20/2004	15:29	

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:** D14031, D14035	**Additional Sampler Signature(s):** Michael Argue (for John Burton and Caitlin Selfridge)	Cooler Temperature Upon Receipt:	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G		**Custody Seal Intact?** ___ **Shipment Iced?** ___

pest/PCB = Pesticides/Polychlorinated Biphenyls

TR Number: 1-585705086-052104-0004

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send results to OSC Wing Chau; phone: (617) 918-1254; fax: (617) 918-0254

LABORATORY COPY

EPA Leda Lisbon Site
Generic Chain of Custody

PN: 04050031

Reference Case
Client No:
SDG No: L

Date Shipped:	5/20/2004
Carrier Name:	hand delivery
Airbill:	
Shipped to:	EPA New England Regional Laboratory 11 Technology Drive North Chelmsford MA 01863 (617) 918-8333

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
Michael Argue	5/21/04 @ 1450	[signature]	5/21/04. 14:50
2			
3			
4			

Sampler Signature: Michael Argue

For Lab Use Only
Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	FOR LAB USE ONLY Sample Condition On Receipt
D14029	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	B40	S: 5/20/2004	15:31
D14030	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	B50	S: 5/20/2004	15:33
D14031	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) ~~(1)~~ (2)	B60	S: 5/20/2004	15:20
D14032	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	B70	S: 5/20/2004	15:25
D14033	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	C10	S: 5/20/2004	15:26
D14034	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	C20	S: 5/20/2004	15:18
D14035	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) ~~(1)~~ (2)	C30	S: 5/20/2004	15:30
D14036	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	C40	S: 5/20/2004	15:35
D14037	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	C80	S: 5/20/2004	15:37
D14038	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	C90	S: 5/20/2004	15:38

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: D14031, D14035	Additional Sampler Signature(s): Michael Argue for John Burton and Caitlin Selfridge	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

pest/PCB = Pesticides/Polychlorinated Biphenyls

TR Number: 1-585705086-052104-0004

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send results to OSC Wing Chau; phone: (617) 918-1254; fax: (617) 918-0254

LABORATORY COPY

EPA Leda Lisbon Site
Generic Chain of Custody

PN: 04050031

Reference Case
Client No:
SDG No: L

Date Shipped:	5/20/2004
Carrier Name:	hand delivery
Airbill:	
Shipped to:	EPA New England Regional Laboratory 11 Technology Drive North Chelmsford MA 01863 (617) 918-8333

Chain of Custody Record

Sampler Signature: Michael Argue

	Relinquished By (Date / Time)	Received By (Date / Time)
1	Michael Argue 5/21/04 @ 1450	5/21/04: 1450
2		
3		
4		

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	FOR LAB USE ONLY Sample Condition On Receipt
D14039	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	D90	S: 5/20/2004	15:35
D14040	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	D100	S: 5/20/2004	15:40
D14041	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	D110	S: 5/20/2004	15:45
D14042	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	E100	S: 5/20/2004	15:49
D14043	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	E110	S: 5/20/2004	15:49
D14044	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	F110	S: 5/20/2004	15:46
D14045	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	G110	S: 5/20/2004	15:43
D14046	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	H110	S: 5/20/2004	15:40
D14052	PE Soil/ Michael Argue	M/G	pest/PCB (21)	(Ice Only) (1)	TT03854	S: 5/20/2004	20:00

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: D14031, D14035	Additional Sampler Signature(s): Michael Argue (for John Burton and Caitlin Selfridge)	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

pest/PCB = Pesticides/Polychlorinated Biphenyls

TR Number: 1-585705086-052104-0004

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send results to OSC Wing Chau; phone: (617) 918-1254; fax: (617) 918-0254

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Appendix F

Analytical Data

EPA
Region I, New England

United States Environmental Protection Agency
Office of Environmental Measurement & Evaluation
11 Technology Drive
North Chelmsford, MA 01863-2431

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Laboratory Report

June 15, 2004

Mr Wing Chau - HBR
USEPA New England, Region 1
One Congress Street
Boston, MA 02114 - 2023

Project Number: 04050031
Project: Leda Lisbon - Lisbon, ME
Analysis: PCBs Medium Level in Soils and Sediments
Analyst: Paul Carroll 6-16-04

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England Laboratory SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, PESTSOIL2.SOP.

The analysis was performed using high resolution capillary column chromatography on a Hewlett Packard 5890 Series II gas chromatograph equipped with dual electron capture detectors. The 30 meter dual capillary column system consists of a J&W DB-5 and J&W DB-1701, both with 0.25mm ID and 0.25 micron film thickness.

The results are reported on a dry weight basis.

Date Samples Received by the Laboratory: 5/21/04

If you have any questions please call me at 617-918-8333.

Sincerely,

Dr. William J. Andrade 06/23/04
Advanced Analytical Chemistry Specialist

Qualifiers	**RL**	Reporting limit
	ND	Not Detected above Reporting limit
	NA	Not Applicable due to high sample dilutions or sample interferences
	J	Estimated value
	E	Estimated value exceeds the calibration range
	L	Estimated value is below the calibration range
	B	Analyte is associated with the lab blank or trip blank contamination. Values are qualified when the observed concentration of the contamination in the sample extract is less than 10 times the concentration in the blank.
	P	The confirmation value exceeded 35% difference and is less than 100%. The lower value is reported.
	C	The identification has been confirmed by GC/MS.
	R	No recovery was calculated since the analyte concentration is greater than four times the spike level.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14019	Lab Sample ID:	AA40027
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/7/04	Percent Solids:	77%
Dry Weight Extracted:	4.903 grams	Extract Dilution:	1
Wet Weight Extracted:	6.331 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	**1.1**	0.10	
11096-82-5	Aroclor-1260	**0.13**	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	72	36 - 131
Decachlorobiphenyl	104	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14020	Lab Sample ID:	AA40028
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/9/04	Percent Solids:	83%
Dry Weight Extracted:	5.660 grams	Extract Dilution:	100
Wet Weight Extracted:	6.825 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	10.00	
11104-28-2	Aroclor-1221	ND	10.00	
11141-16-5	Aroclor-1232	ND	10.00	
53469-21-9	Aroclor-1242	ND	10.00	
12672-29-6	Aroclor-1248	ND	10.00	
11097-69-1	Aroclor-1254	**82**	10.00	
11096-82-5	Aroclor-1260	ND	10.00	
11100-14-4	Aroclor-1262	ND	10.00	
37324-23-5	Aroclor-1268	ND	10.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	NA	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments: Surrogate recoveries could not be determined due to sample dilution.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14021	Lab Sample ID:	AA40029
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/8/04	Percent Solids:	80%
Dry Weight Extracted:	5.732 grams	Extract Dilution:	5
Wet Weight Extracted:	7.190 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.50	
11104-28-2	Aroclor-1221	ND	0.50	
11141-16-5	Aroclor-1232	ND	0.50	
53469-21-9	Aroclor-1242	ND	0.50	
12672-29-6	Aroclor-1248	ND	0.50	
11097-69-1	Aroclor-1254	**1.9**	0.50	
11096-82-5	Aroclor-1260	ND	0.50	
11100-14-4	Aroclor-1262	ND	0.50	
37324-23-5	Aroclor-1268	ND	0.50	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	75	36 - 131
Decachlorobiphenyl	116	30 - 165

Comments: Late eluting sample hydrocarbons have effected the DCB surrogate recovery on one of the two analytical columns. The data is qualified with a 'P' and lower recovery is reported.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14022	Lab Sample ID:	AA40030
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/10/04	Percent Solids:	75%
Dry Weight Extracted:	5.464 grams	Extract Dilution:	10
Wet Weight Extracted:	7.305 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	1.00	
11104-28-2	Aroclor-1221	ND	1.00	
11141-16-5	Aroclor-1232	ND	1.00	
53469-21-9	Aroclor-1242	ND	1.00	
12672-29-6	Aroclor-1248	ND	1.00	
11097-69-1	Aroclor-1254	**8.4**	1.00	
11096-82-5	Aroclor-1260	**2.1**	1.00	
11100-14-4	Aroclor-1262	ND	1.00	
37324-23-5	Aroclor-1268	ND	1.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	90	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments: Late eluting hydrocarbons have interferred with the DCB surrogate recovery.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14023	Lab Sample ID:	AA40031
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/8/04	Percent Solids:	74%
Dry Weight Extracted:	5.324 grams	Extract Dilution:	50
Wet Weight Extracted:	7.193 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	5.00	
11104-28-2	Aroclor-1221	ND	5.00	
11141-16-5	Aroclor-1232	ND	5.00	
53469-21-9	Aroclor-1242	ND	5.00	
12672-29-6	Aroclor-1248	ND	5.00	
11097-69-1	Aroclor-1254	**12**	5.00	
11096-82-5	Aroclor-1260	ND	5.00	
11100-14-4	Aroclor-1262	ND	5.00	
37324-23-5	Aroclor-1268	ND	5.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	NA	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments: Surrogate recoveries were not determined due to sample dilution.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14024	Lab Sample ID:	AA40032
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/10/04	Percent Solids:	67%
Dry Weight Extracted:	4.937 grams	Extract Dilution:	10
Wet Weight Extracted:	7.414 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	1.00	
11104-28-2	Aroclor-1221	ND	1.00	
11141-16-5	Aroclor-1232	ND	1.00	
53469-21-9	Aroclor-1242	ND	1.00	
12672-29-6	Aroclor-1248	ND	1.00	
11097-69-1	Aroclor-1254	**4.9**	1.00	
11096-82-5	Aroclor-1260	**1.3**	1.00	
11100-14-4	Aroclor-1262	ND	1.00	
37324-23-5	Aroclor-1268	ND	1.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	70	36 - 131
Decachlorobiphenyl	130	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14025	Lab Sample ID:	AA40033
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/8/04	Percent Solids:	81%
Dry Weight Extracted:	6.377 grams	Extract Dilution:	50
Wet Weight Extracted:	7.918 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	5.00	
11104-28-2	Aroclor-1221	ND	5.00	
11141-16-5	Aroclor-1232	ND	5.00	
53469-21-9	Aroclor-1242	ND	5.00	
12672-29-6	Aroclor-1248	ND	5.00	
11097-69-1	Aroclor-1254	**29**	5.00	
11096-82-5	Aroclor-1260	ND	5.00	
11100-14-4	Aroclor-1262	ND	5.00	
37324-23-5	Aroclor-1268	ND	5.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	78	36 - 131
Decachlorobiphenyl	68	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14026	Lab Sample ID:	AA40034
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/8/04	Percent Solids:	80%
Dry Weight Extracted:	5.873 grams	Extract Dilution:	2
Wet Weight Extracted:	7.381 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.20	
11104-28-2	Aroclor-1221	ND	0.20	
11141-16-5	Aroclor-1232	ND	0.20	
53469-21-9	Aroclor-1242	ND	0.20	
12672-29-6	Aroclor-1248	ND	0.20	
11097-69-1	Aroclor-1254	**1.8**	0.20	
11096-82-5	Aroclor-1260	**0.27**	0.20	
11100-14-4	Aroclor-1262	ND	0.20	
37324-23-5	Aroclor-1268	ND	0.20	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	56	36 - 131
Decachlorobiphenyl	88	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14027	Lab Sample ID:	AA40035
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/8/04	Percent Solids:	82%
Dry Weight Extracted:	6.332 grams	Extract Dilution:	2
Wet Weight Extracted:	7.763 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.20	
11104-28-2	Aroclor-1221	ND	0.20	
11141-16-5	Aroclor-1232	ND	0.20	
53469-21-9	Aroclor-1242	ND	0.20	
12672-29-6	Aroclor-1248	ND	0.20	
11097-69-1	Aroclor-1254	**1.1**	0.20	
11096-82-5	Aroclor-1260	ND	0.20	
11100-14-4	Aroclor-1262	ND	0.20	
37324-23-5	Aroclor-1268	ND	0.20	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	58	36 - 131
Decachlorobiphenyl	98	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14028	Lab Sample ID:	AA40036
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/9/04	Percent Solids:	89%
Dry Weight Extracted:	6.371 grams	Extract Dilution:	100
Wet Weight Extracted:	7.168 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	10.00	
11104-28-2	Aroclor-1221	ND	10.00	
11141-16-5	Aroclor-1232	ND	10.00	
53469-21-9	Aroclor-1242	ND	10.00	
12672-29-6	Aroclor-1248	ND	10.00	
11097-69-1	Aroclor-1254	**40**	10.00	
11096-82-5	Aroclor-1260	ND	10.00	
11100-14-4	Aroclor-1262	ND	10.00	
37324-23-5	Aroclor-1268	ND	10.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	N/A	36 - 131
Decachlorobiphenyl	N/A	30 - 165

Comments: Surrogate recoveries were not determined due to sample dilution.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14029	Lab Sample ID:	AA40037
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/9/04	Percent Solids:	87%
Dry Weight Extracted:	6.199 grams	Extract Dilution:	5
Wet Weight Extracted:	7.155 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.50	
11104-28-2	Aroclor-1221	ND	0.50	
11141-16-5	Aroclor-1232	ND	0.50	
53469-21-9	Aroclor-1242	ND	0.50	
12672-29-6	Aroclor-1248	ND	0.50	
11097-69-1	Aroclor-1254	**1.5**	0.50	
11096-82-5	Aroclor-1260	**0.58**	0.50	
11100-14-4	Aroclor-1262	ND	0.50	
37324-23-5	Aroclor-1268	ND	0.50	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	70	36 - 131
Decachlorobiphenyl	130	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14030	Lab Sample ID:	AA40038
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/9/04	Percent Solids:	75%
Dry Weight Extracted:	5.377 grams	Extract Dilution:	200
Wet Weight Extracted:	7.143 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	20.00	
11104-28-2	Aroclor-1221	ND	20.00	
11141-16-5	Aroclor-1232	ND	20.00	
53469-21-9	Aroclor-1242	ND	20.00	
12672-29-6	Aroclor-1248	ND	20.00	
11097-69-1	Aroclor-1254	**270**	20.00	
11096-82-5	Aroclor-1260	**300**	20.00	
11100-14-4	Aroclor-1262	ND	20.00	
37324-23-5	Aroclor-1268	ND	20.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	NA	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments: Surrogate recoveries were not determined due to sample dilution.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14031	Lab Sample ID:	AA40039
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/9/04	Percent Solids:	81%
Dry Weight Extracted:	6.309 grams	Extract Dilution:	100
Wet Weight Extracted:	7.789 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	10.00	
11104-28-2	Aroclor-1221	ND	10.00	
11141-16-5	Aroclor-1232	ND	10.00	
53469-21-9	Aroclor-1242	ND	10.00	
12672-29-6	Aroclor-1248	ND	10.00	
11097-69-1	Aroclor-1254	**23**	10.00	
11096-82-5	Aroclor-1260	ND	10.00	
11100-14-4	Aroclor-1262	ND	10.00	
37324-23-5	Aroclor-1268	ND	10.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	NA	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/7/04	Percent Solids:	100%
Dry Weight Extracted:	7.715 grams	Extract Dilution:	1
Wet Weight Extracted:	7.717 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	ND	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	84	60 - 104
Decachlorobiphenyl	106	65 - 110

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14032	Lab Sample ID:	AA40040
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/14/04	Percent Solids:	75%
Dry Weight Extracted:	5.514 grams	Extract Dilution:	50
Wet Weight Extracted:	7.39 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	5.00	
11104-28-2	Aroclor-1221	ND	5.00	
11141-16-5	Aroclor-1232	ND	5.00	
53469-21-9	Aroclor-1242	ND	5.00	
12672-29-6	Aroclor-1248	ND	5.00	
11097-69-1	Aroclor-1254	**17**	5.00	
11096-82-5	Aroclor-1260	**2.5**	5.00	L
11100-14-4	Aroclor-1262	ND	5.00	
37324-23-5	Aroclor-1268	ND	5.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	NA	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments: Surrogate recoveries could not be determined due to sample dilution.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14033	Lab Sample ID:	AA40041
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/24/04	Final Volume:	5 mL
Date of Analysis:	6/9/04	Percent Solids:	81%
Dry Weight Extracted:	5.954 grams	Extract Dilution:	25
Wet Weight Extracted:	7.35 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	2.50	
11104-28-2	Aroclor-1221	ND	2.50	
11141-16-5	Aroclor-1232	ND	2.50	
53469-21-9	Aroclor-1242	ND	2.50	
12672-29-6	Aroclor-1248	ND	2.50	
11097-69-1	Aroclor-1254	**10**	2.50	
11096-82-5	Aroclor-1260	ND	2.50	
11100-14-4	Aroclor-1262	ND	2.50	
37324-23-5	Aroclor-1268	ND	2.50	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	63	36 - 131
Decachlorobiphenyl	100	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14034	Lab Sample ID:	AA40042
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/26/04	Final Volume:	5 mL
Date of Analysis:	6/9/04	Percent Solids:	94%
Dry Weight Extracted:	6.429 grams	Extract Dilution:	100
Wet Weight Extracted:	6.834 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	10.00	
11104-28-2	Aroclor-1221	ND	10.00	
11141-16-5	Aroclor-1232	ND	10.00	
53469-21-9	Aroclor-1242	ND	10.00	
12672-29-6	Aroclor-1248	ND	10.00	
11097-69-1	Aroclor-1254	**21**	10.00	
11096-82-5	Aroclor-1260	ND	10.00	
11100-14-4	Aroclor-1262	ND	10.00	
37324-23-5	Aroclor-1268	ND	10.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	NA	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments: Surrogate recoveries were not determined due to sample dilution.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14035	Lab Sample ID:	AA40043
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/26/04	Final Volume:	5 mL
Date of Analysis:	6/9/04	Percent Solids:	91%
Dry Weight Extracted:	4.891 grams	Extract Dilution:	1000
Wet Weight Extracted:	5.35 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	100.00	
11104-28-2	Aroclor-1221	ND	100.00	
11141-16-5	Aroclor-1232	ND	100.00	
53469-21-9	Aroclor-1242	ND	100.00	
12672-29-6	Aroclor-1248	ND	100.00	
11097-69-1	Aroclor-1254	**1900**	100.00	
11096-82-5	Aroclor-1260	ND	100.00	
11100-14-4	Aroclor-1262	ND	100.00	
37324-23-5	Aroclor-1268	ND	100.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	NA	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix	Soil
Date of Extraction:	5/26/04	Final Volume:	5 mL
Date of Analysis:	6/7/04	Percent Solids:	100%
Dry Weight Extracted:	10.939 grams	Extract Dilution:	1
Wet Weight Extracted:	10.941 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	ND	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	83	60 - 104
Decachlorobiphenyl	104	65 - 110

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14036	Lab Sample ID:	AA40044
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/26/04	Final Volume:	5 mL
Date of Analysis:	6/10/04	Percent Solids:	91%
Dry Weight Extracted:	5.949 grams	Extract Dilution:	50
Wet Weight Extracted:	6.511 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	5.00	
11104-28-2	Aroclor-1221	ND	5.00	
11141-16-5	Aroclor-1232	ND	5.00	
53469-21-9	Aroclor-1242	ND	5.00	
12672-29-6	Aroclor-1248	ND	5.00	
11097-69-1	Aroclor-1254	**6.9**	5.00	
11096-82-5	Aroclor-1260	ND	5.00	
11100-14-4	Aroclor-1262	ND	5.00	
37324-23-5	Aroclor-1268	ND	5.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	NA	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments: Surrogate recoveries were not determined due to sample dilution.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14037	Lab Sample ID:	AA40045
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/26/04	Final Volume:	5 mL
Date of Analysis:	6/10/04	Percent Solids:	91%
Dry Weight Extracted:	5.949 grams	Extract Dilution:	50
Wet Weight Extracted:	6.511 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	5.00	
11104-28-2	Aroclor-1221	ND	5.00	
11141-16-5	Aroclor-1232	ND	5.00	
53469-21-9	Aroclor-1242	ND	5.00	
12672-29-6	Aroclor-1248	ND	5.00	
11097-69-1	Aroclor-1254	**50**	5.00	
11096-82-5	Aroclor-1260	**7.1**	5.00	
11100-14-4	Aroclor-1262	ND	5.00	
37324-23-5	Aroclor-1268	ND	5.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	NA	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments: Surrogate recoveries were not determined due to sample dilution.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14038	Lab Sample ID:	AA40046
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/26/04	Final Volume:	5 mL
Date of Analysis:	6/10/04	Percent Solids:	78%
Dry Weight Extracted:	4.689 grams	Extract Dilution:	5
Wet Weight Extracted:	6.015 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.50	
11104-28-2	Aroclor-1221	ND	0.50	
11141-16-5	Aroclor-1232	ND	0.50	
53469-21-9	Aroclor-1242	ND	0.50	
12672-29-6	Aroclor-1248	ND	0.50	
11097-69-1	Aroclor-1254	**2.3**	0.50	
11096-82-5	Aroclor-1260	**0.53**	0.50	
11100-14-4	Aroclor-1262	ND	0.50	
37324-23-5	Aroclor-1268	ND	0.50	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	80	36 - 131
Decachlorobiphenyl	125	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14039	Lab Sample ID:	AA40047
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/26/04	Final Volume:	5 mL
Date of Analysis:	6/10/04	Percent Solids:	71%
Dry Weight Extracted:	4.380 grams	Extract Dilution:	10
Wet Weight Extracted:	6.152 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	1.00	
11104-28-2	Aroclor-1221	ND	1.00	
11141-16-5	Aroclor-1232	ND	1.00	
53469-21-9	Aroclor-1242	ND	1.00	
12672-29-6	Aroclor-1248	ND	1.00	
11097-69-1	Aroclor-1254	**4.2**	1.00	
11096-82-5	Aroclor-1260	**0.74**	1.00	L
11100-14-4	Aroclor-1262	ND	1.00	
37324-23-5	Aroclor-1268	ND	1.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	80	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments: Late eluting hydrocarbons have interfered with the DCB surrogate recovery.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14040	Lab Sample ID:	AA40048
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/26/04	Final Volume:	5 mL
Date of Analysis:	6/8/04	Percent Solids:	83%
Dry Weight Extracted:	4.852 grams	Extract Dilution:	1
Wet Weight Extracted:	5.855 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	**1.3**	0.10	
11096-82-5	Aroclor-1260	**0.18**	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	82	36 - 131
Decachlorobiphenyl	122	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14041	Lab Sample ID:	AA40049
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/26/04	Final Volume:	5 mL
Date of Analysis:	6/8/04	Percent Solids:	78%
Dry Weight Extracted:	4.234 grams	Extract Dilution:	1
Wet Weight Extracted:	5.457 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	**0.35**	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	72	36 - 131
Decachlorobiphenyl	103	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14042	Lab Sample ID:	AA40050
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/26/04	Final Volume:	5 mL
Date of Analysis:	6/8/04	Percent Solids:	69%
Dry Weight Extracted:	3.922 grams	Extract Dilution:	1
Wet Weight Extracted:	5.715 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	**1.8**	0.10	
11096-82-5	Aroclor-1260	**0.35**	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	82	36 - 131
Decachlorobiphenyl	111	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14043	Lab Sample ID:	AA40051
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/26/04	Final Volume:	5 mL
Date of Analysis:	6/8/04	Percent Solids:	75%
Dry Weight Extracted:	4.531 grams	Extract Dilution:	1
Wet Weight Extracted:	6.063 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	**0.47**	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	88	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments: Late eluting hydrocarbons have interferred with the DCB surrogate recovery.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14044	Lab Sample ID:	AA40052
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/26/04	Final Volume:	5 mL
Date of Analysis:	6/8/04	Percent Solids:	70%
Dry Weight Extracted:	4.478 grams	Extract Dilution:	1
Wet Weight Extracted:	6.395 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	**0.40**	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	81	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments: Late eluting hydrcarbons have interferred with DCB surrogate recovery.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14045	Lab Sample ID:	AA40053
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/26/04	Final Volume:	5 mL
Date of Analysis:	6/8/04	Percent Solids:	76%
Dry Weight Extracted:	4.834 grams	Extract Dilution:	1
Wet Weight Extracted:	6.336 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	**0.20**	0.10	
11096-82-5	Aroclor-1260	**0.08**	0.10	L
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	83	36 - 131
Decachlorobiphenyl	91	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14046	Lab Sample ID:	AA40054
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/26/04	Final Volume:	5 mL
Date of Analysis:	6/8/04	Percent Solids:	80%
Dry Weight Extracted:	4.656 grams	Extract Dilution:	1
Wet Weight Extracted:	5.813 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	**0.14**	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	82	36 - 131
Decachlorobiphenyl	127	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Leda Lisbon - Lisbon, ME

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D14052	Lab Sample ID:	AA40055
Date of Collection:	5/20/2004	Matrix	Soil
Date of Extraction:	5/26/04	Final Volume:	5 mL
Date of Analysis:	6/8/04	Percent Solids:	100%
Dry Weight Extracted:	5.067 grams	Extract Dilution:	1
Wet Weight Extracted:	5.091 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	**0.13**	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	88	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments: Late eluting hydrocarbons have interferred with the DCB surrogate recovery.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

MATRIX SPIKE (MS) RESULTS

Sample ID: AA40039

PARAMETER	SPIKE ADDED mg/Kg	SAMPLE CONCENTRATION mg/Kg	MS CONCENTRATION mg/Kg	MS % REC	QC LIMITS (% REC)
Aroclor-1016	.521	ND	NA	0	
Aroclor-1260	.521	ND	NA	0	77 - 136

Comments: Matrix spike recoveries could not be determined due to sample dilutions.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

MATRIX SPIKE (MS) RESULTS

Sample ID: AA40043

PARAMETER	SPIKE ADDED mg/Kg	SAMPLE CONCENTRATION mg/Kg	MS CONCENTRATION mg/Kg	MS % REC	QC LIMITS (% REC)
Aroclor-1016	0.626	ND	NA	0	
Aroclor-1260	0.626	ND	NA	0	77 - 136

Comments: Matrix spike recoveries could not be determined due to sample dilutions.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Laboratory Duplicate Results

Sample ID: AA40039

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1016	ND	ND	NC	50
Aroclor-1221	ND	ND	NC	50
Aroclor-1232	ND	ND	NC	50
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	23	23	0	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Laboratory Duplicate Results

Sample ID: AA40043

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1016	ND	ND	NC	50
Aroclor-1221	ND	ND	NC	50
Aroclor-1232	ND	ND	NC	50
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	1900	1500	24	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Comments:

Laboratory Fortified Blank (LFB) Results

PARAMETER	LFB AMOUNT SPIKED mg/Kg	LFB RESULT mg/Kg	LFB RECOVERY %	QC LIMITS %
Aroclor 1016 (5/24/2004)	0.60	0.44	74	
Aroclor 1260 (5/24/2004)	0.60	0.45	76	
Aroclor 1016 (5/26/2004)	0.53	0.48	90	
Aroclor 1260 (5/26/2004)	0.53	0.41	77	

EPA Leda Lisbon Site
Generic Chain of Custody

PN 04050031

Reference Case
Client No:
SDG No: L

Date Shipped:	5/20/2004	**Chain of Custody Record**	Sampler Signature: Michael Argue
Carrier Name:	hand delivery	Relinquished By (Date / Time)	Received By (Date / Time)
Airbill:		Michael Argue - 5/21/04 @ 1450	5/21/04 - 1450
Shipped to:	EPA New England Regional Laboratory 11 Technology Drive North Chelmsford MA 01863 (617) 918-8333	2	
		3	
		4	

For Lab Use Only
Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	FOR LAB USE ONLY Sample Condition On Receipt
D14019	surface soil (0-3)/ Michael Argue	M/G	pest/PCB (21)	(Ice Only) (1)	A0	S: 5/20/2004	15:05
D14020	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	A10	S: 5/20/2004	15:08
D14021	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	A20	S: 5/20/2004	15:10
D14022	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	A50	S: 5/20/2004	15:15
D14023	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	A60	S: 5/20/2004	15:07
D14024	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	A70	S: 5/20/2004	15:08
D14025	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	B0	S: 5/20/2004	15:10
D14026	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	B10	S: 5/20/2004	15:15
D14027	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	B20	S: 5/20/2004	15:25
D14028	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	B30	S: 5/20/2004	15:29

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: D14031, D14035	Additional Sampler Signature(s): Michael Argue for John Burton and Caitlin Selfridge	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

pest/PCB = Pesticides/Polychlorinated Biphenyls

TR Number: 1-585705086-052104-0004

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send results to OSC Wing Chau; phone: (617) 918-1254; fax: (617) 918-0254

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EPA Leda Lisbon Site
Generic Chain of Custody

PN: 04050031

Reference Case
Client No:
SDG No: L

Date Shipped:	5/20/2004
Carrier Name:	hand delivery
Airbill:	
Shipped to:	EPA New England Regional Laboratory 11 Technology Drive North Chelmsford MA 01863 (617) 918-8333

Chain of Custody Record

Relinquished By (Date / Time)	Received By (Date / Time)
Michael Argue - 5/21/04 @ 1450	5/21/04. 14:50
2	
3	
4	

Sampler Signature: Michael Argue

For Lab Use Only
Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	FOR LAB USE ONLY Sample Condition On Receipt
D14029	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	B40	S: 5/20/2004	15:31
D14030	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	B50	S: 5/20/2004	15:33
D14031	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) ~~(1)~~ (2)	B60	S: 5/20/2004	15:20
D14032	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	B70	S: 5/20/2004	15:25
D14033	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	C10	S: 5/20/2004	15:26
D14034	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	C20	S: 5/20/2004	15:18
D14035	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) ~~(1)~~ (2)	C30	S: 5/20/2004	15:30
D14036	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	C40	S: 5/20/2004	15:35
D14037	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	C80	S: 5/20/2004	15:37
D14038	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	C90	S: 5/20/2004	15:38

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: D14031, D14035	Additional Sampler Signature(s): Michael Argue for Joseph Buxton and Caitlin Selfridge	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

pest/PCB = Pesticides/Polychlorinated Biphenyls

TR Number: 1-585705086-052104-0004

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Send results to OSC Wing Chau; phone: (617) 918-1254; fax: (617) 918-0254

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EPA

EPA Leda Lisbon Site
Generic Chain of Custody

PN: 04050031

Reference Case
Client No:
SDG No: L

Date Shipped:	5/20/2004
Carrier Name:	hand delivery
Airbill:	
Shipped to:	EPA New England Regional Laboratory 11 Technology Drive North Chelmsford MA 01863 (617) 918-8333

Chain of Custody Record

	Relinquished By (Date / Time)	Received By (Date / Time)
Sampler Signature:	Michael Argue	
1	Michael Argue 5/21/04 @ 1450	5/21/04 1450
2		
3		
4		

For Lab Use Only
Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
D14039	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	D90	S: 5/20/2004	15:35	
D14040	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	D100	S: 5/20/2004	15:40	
D14041	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	D110	S: 5/20/2004	15:45	
D14042	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	E100	S: 5/20/2004	15:49	
D14043	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	E110	S: 5/20/2004	15:49	
D14044	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	F110	S: 5/20/2004	15:46	
D14045	surface soil (0-3)/ John Burton	M/G	pest/PCB (21)	(Ice Only) (1)	G110	S: 5/20/2004	15:43	
D14046	surface soil (0-3)/ Caitlin Selfridge	M/G	pest/PCB (21)	(Ice Only) (1)	H110	S: 5/20/2004	15:40	
D14052	PE Soil/ Michael Argue	M/G	pest/PCB (21)	(Ice Only) (1)	TT03854	S: 5/20/2004	20:00	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: D14031, D14035	Additional Sampler Signature(s): Michael Argue (for John Burton and Caitlin Selfridge)	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

pest/PCB = Pesticides/Polychlorinated Biphenyls

TR Number: 1-585705086-052104-0004

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